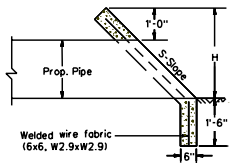
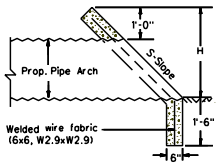
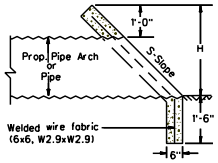
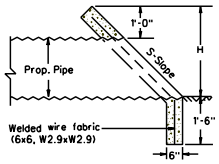
SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

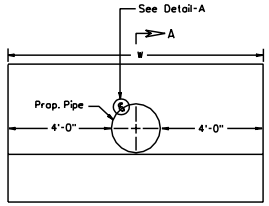


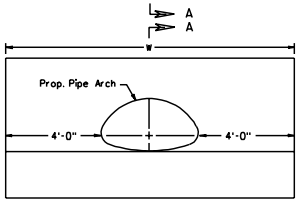


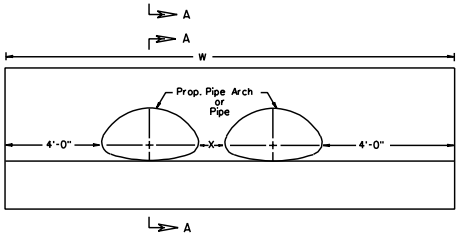


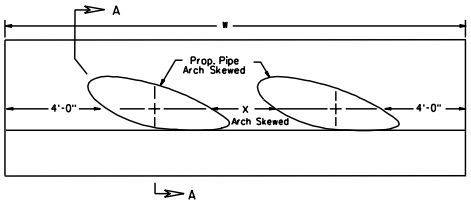


SECTIONS A-A

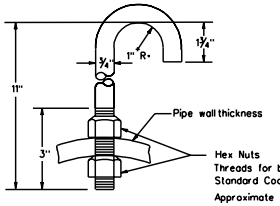








PLAN VIEWS



DETAIL-A

PIPE DIAMETER	Min. Dist. Between Pipes (X)
6" to 24"	12"
24" to 72"	½ Diameter (D) in Inches
72" to 120"	36"

PIPE ARCH SIZE	Min. Dist. Between Pipe Arches (X)
17" X 13" to 24" X 18"	12"
24" X 18" to 71" X 47"	1/3 Span (Span/3)
Above 71" X 47"	30"

NOTES:

ALL concrete to be Class A-3 in accordance with Section 217 of the Current Specifications.

Hook bolts 18" C.C. will be required when structure is on a skew of more than 15°.

Four inch bituminized fiber pipe may be added on the outlet end as deemed necessary by the Project Engineer.

The reinforcement is to be in accordance with Section 223 of the Current Specifications and shall be placed in accordance with Sect. 406.

Hook bolt material shall meet the current ASTM A-307.

Bolts shall be galvanized to meet the current ASTM A-153. For aluminum pipe, hook bolts shall be protected with one of the following: Bitumastic 50, Bitumastic M, or Concote B-50 where contact is made between pipe and hook bolts.

BASIS OF PAYMENT:

Basis of payment for Special Design Concrete Slab End Treatment is to be each, complete in place, which shall include all welded wire fabric, hook bolts, Class A-3 concrete, and other items incidental to placing the material.

SIDE	STATION	APPROX. SKEW	PIPE SIZE	W	H	S	X	APPROX. CU.YDS. CONC.	APPROX. LBS. REINFORCING STEEL

SPECIAL DESIGN CONCRETE SLAB END TREATMENT

Revised 10-10-97

SPECIAL DESIGN SECTION
DRAWING NO. 2045